

# BEST AVAILABLE COPY

## PATENT COOPERATION TREATY PCT INTERNATIONAL SEARCH REPORT (PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>16941-1PCT</b>	<b>FOR FURTHER ACTION</b> <span style="float: right;">see Form PCT/ISA/220 as well as, where applicable, item 5 below</span>	
International application No. <b>PCT/CA2005/000167</b>	International filing date ( <i>day/month/year</i> ) 10 February 2005 (10-02-2005)	(Earliest) Priority date ( <i>day/month/year</i> ) 11 February 2004 (11-02-2004)
Applicant <b>LEPAGE, JEAN-PIERRE</b>		
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.		
This international search report consists of a total of <u>3</u> sheets.  <input checked="" type="checkbox"/> It is also accompanied by a copy of each prior art document cited in this report.		
<p>1. <b>Basis of the report</b></p> <p>a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</p> <p style="padding-left: 40px;"><input type="checkbox"/> The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).</p> <p>b. <input type="checkbox"/> With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.</p> <p>2. <input type="checkbox"/> Certain claims were found unsearchable (see Box No. II).</p> <p>3. <input type="checkbox"/> Unity of invention is lacking (see Box No. III).</p> <p>4. With regard to the title,  <input checked="" type="checkbox"/> the text is approved as submitted by the applicant.  <input type="checkbox"/> the text has been established by this Authority to read as follows :</p> <p>5. With regard to the abstract,  <input checked="" type="checkbox"/> the text is approved as submitted by the applicant.  <input type="checkbox"/> the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.</p> <p>6. With regard to the drawings,  a. the figure of the drawings to be published with the abstract is Figure No. <span style="float: right;">1</span>  <input checked="" type="checkbox"/> as suggested by the applicant.  <input type="checkbox"/> as selected by this authority, because the applicant failed to suggest a figure.  <input type="checkbox"/> as selected by this Authority, because this figure better characterizes the invention.  b. <input type="checkbox"/> none of the figures is to be published with the abstract.</p>		

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2005/000167A. CLASSIFICATION OF SUBJECT MATTER  
A61L 9/16 B01J 19/08 A61L 2/03

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61L 9/16 B01J 19/08 A61L 2/03

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)  
EPO, CPD, DELPHION, USPTO

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No(s).
A	US 6,504,308 (KRICHTAFOVITCH et al.) Jan. 7, 2003 (07-01-2003) ELECTROSTATIC FLUID ACCELERATOR *whole document*	1-21
A	US 6,245,132 (FELDMAN et al.) Jun. 12, 2001 (12-06-2001) AIR FILTER WITH COMBINED ENHANCED COLLECTION EFFICIENCY AND SURFACE STERILIZATION *whole document*	1-21
A	US 5,077,500 (TOROK et al.) Dec. 31, 1991 (31-12-1991) AIR TRANSPORTING ARRANGEMENT *whole document*	1-21

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

## \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

29 March 2005 (29-03-2005)

Date of mailing of the international search report

26 May 2005 (26-05-2005)

Name and mailing address of the ISA/CA  
Canadian Intellectual Property Office  
Place du Portage I, C114 - 1st Floor, Box PCT  
50 Victoria Street  
Gatineau, Quebec K1A 0C9  
Facsimile No.: 001(819)953-2476

Authorized officer

Rafal Byczko (819) 956-0502

INTERNATIONAL SEARCH REPORT  
Information on patent family membersInternational application No.  
PCT/CA2005/000167

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
US5077500 A	31-12-1991	AT70389 T	15-12-1991
		AU1295788 A	24-08-1988
		BR8807350 A	01-03-1990
		DE3866873 D1	23-01-1992
		EP0343184 A1	29-11-1989
		FI88762B B	15-03-1993
		JP2502142 T	12-07-1990
		SE456204 B	12-09-1988
		SE8700441 D0	05-02-1987
		WO8805972 A1	11-08-1988
US6245132 B1	12-06-2001	US6245126 B1	12-06-2001
US6504308 B1	07-01-2003	AU773626 B2	27-05-2004
		AU1084701 A	23-04-2001
		CA2355659 A1	19-04-2001
		EP1153407 A1	14-11-2001
		JP2003511640 T	25-03-2003
		US2003090209 A1	15-05-2003
		WO0127965 A1	19-04-2001

16941-1PCT

1/4

**PCT REQUEST**

Original (for SUBMISSION)

0	For receiving Office use only	
0-1	International Application No.	PCT/CA 2 005 / 000 167
0-2	International Filing Date	10 FEBRUARY 2005 10.02.05
0-3	Name of receiving Office and "PCT International Application"	RO/CA
0-4	Form PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.169)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Canadian Patent Office (RO/CA)
0-7	Applicant's or agent's file reference	16941-1PCT
I	Title of Invention	SYSTEM FOR TREATING CONTAMINATED GAS
II	Applicant	
II-1	This person is	applicant and inventor
II-2	Applicant for	all designated States
II-4	Name (LAST, First)	LEPAGE, Jean-Pierre
II-5	Address	3425 Anatole Carignan Lachine, Québec H8T 3M9 Canada
II-6	State of nationality	CA
II-7	State of residence	CA
II-8	Telephone No.	514-344-1674
II-9	Facsimile No.	514-344-1675

16941-1PCT

2/4

PCT REQUEST

Original (for SUBMISSION)

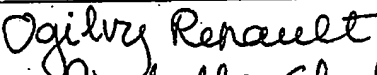

IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name	OGILVY RENAULT
IV-1-2	Address	Suite 1600 1981 McGill College Avenue Montreal, Québec H3A 2Y3 Canada
IV-1-3	Telephone No.	514-845-7126
IV-1-4	Facsimile No.	514-288-8389
IV-1-5	e-mail	swabey@ogilvyrenault.com
V	DESIGNATIONS	
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.	
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	11 February 2004 (11.02.2004)
VI-1-2	Number	2457456
VI-1-3	Country	CA
VI-2	Priority document request The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1
VII-1	International Searching Authority Chosen	Canadian Patent Office (ISA/CA)

18941-1PCT

3/4

## PCT REQUEST

Original (for SUBMISSION)

VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	4	✓
IX-2	Description	22	-
IX-3	Claims	5	-
IX-4	Abstract	1	✓
IX-5	Drawings	8	-
IX-7	TOTAL	40	
	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-17	PCT-SAFE physical media	-	✓
IX-19	Figure of the drawings which should accompany the abstract	1	
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative	 	
X-1-1	Name	OGILVY RENAULT	
X-1-2	Name of signatory	Chabot, Isabelle	
X-1-3	Capacity	Patent Agent	

# BEST AVAILABLE COPY

PCT/CA 2 005 / 0 00 1 67

16941-1PCT

4/4

PCT REQUEST

Original (for SUBMISSION)

## FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	10 FEBRUARY 2005 10-02-05
10-2	Drawings:	X
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/CA
10-6	Transmittal of search copy delayed until search fee is paid	

## FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
------	--	--

# BEST AVAILABLE COPY

16941-1PCT

1/1

## PCT (ANNEX - FEE CALCULATION SHEET)

Original (for SUBMISSION)

(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only	PCT/CA 2 005 / 000 167	
0-1	International Application No.		
0-2	Date stamp of the receiving Office	10 FEBRUARY 2005 10.02.05	
0-4	Form PCT/RO/101 (Annex)		
0-4-1	PCT Fee Calculation Sheet Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.169)	
0-9	Applicant's or agent's file reference	16941-1PCT	
2	Applicant	LEPAGE, Jean-Pierre	
12	Calculation of prescribed fees.	fee amount/multiplier	Total amounts (CAD)
12-1	Transmittal fee T	⇒	300
12-2-1	Search fee S	⇒	1600
12-2-2	International search to be carried out by	CA	
12-3	International filing fee (first 30 sheets) I1	1489	
12-4	Remaining sheets	10	
12-5	Additional amount (X) 16		
12-6	Total additional amount I2	160	
12-7	I1 + I2 =	1649	
12-12	EASY Filing reduction R	-106	
12-13	Total International filing fee (I-R) I	⇒	1543
12-14	Fee for priority document		
	Number of priority documents requested	1	
12-15	Fee per document (X) 0		
12-16	Total priority document fee: P	⇒	
12-17	TOTAL FEES PAYABLE (T+S+I+P)	⇒	3443
12-19	Mode of payment	other VISA in the name of Joan Van Zant	
12-20	Deposit account Instructions.		
	The receiving Office	Canadian Patent Office (RO/CA)	
12-20-2	Authorization to charge any deficiency or credit any overpayment in the total fees indicated above	✓	
12-20-3	Authorization to charge the fee for priority document	✓	
12-21	Deposit account No.	19-5113	
12-22	Date	10 February 2005 (10.02.2005)	
12-23	Name and signature	OGILVY RENAULT <i>Ogilvy Renault Isabelle Chabot</i>	



# BEST AVAILABLE COPY

PCT/CA 2 005 / 0 00 1 6

1/1

PCT

Original (for SUBMISSION)

13-2-7	Validation messages Contents	Yellow! The power of attorney or a copy of the general power of attorney will need to be furnished unless all applicants sign the request form.
	Validation messages Contents	Yellow The abstract shall be as concise as the disclosure permits (preferably 50 to 150 words if it is in English or when translated into English).
13-2-8	Validation messages Fees	Green? Please confirm that fee schedule utilized is the latest available